Douglas-fir beetle
Spruce beetle
Fir engraver beetle
Western pine beetle
Piñon ips
National Forest
Tribal lands
Major roads
Community location
County boundaries
50 Estimated number of dead trees (for mortality agents only)
50 Total estimated number of dead piñon trees within dotted line (sum of multiple polygons)

Light western tent caterpillar
Heavy western spruce budworm
Heavy western tent caterpillar
Douglas-fir tussock moth

Forest insect and disease aerial detection surveys conducted by the Forest Health Staff, New Mexico Zone Office, Southwestern Region on the following dates:
Cibola NF and surrounding area flown 7/26/2004 - 8/12/2004 by Richard Norris.
Gila NF and surrounding area flown 8/9/2004 - 8/23/2004 by Daniel Ryerson.
Lincoln NF and surrounding area flown 8/2/2004 - 8/5/2004 by Richard Norris.

Supplemental aerial detection surveys for piñon mortality were conducted 9/7/2004 through 10/15/2004 by Todd Haines, New Mexico Forestry Division; Terry Rogers and Daniel Ryerson, Forest Health, New Mexico Zone Office, Southwestern Region; and Stephani Sandoval, New Mexico State University Cooperative Extension Service.

The insect and disease activity depicted here is based on aerial detection surveys and should only be used as a general indicator of incidence. This map represents the mortality and defoliation that has occurred since the previous surveys in 2003. Depending upon the timing of survey, the entire extent of some insect and disease activity may not have been detected. In addition, most diseases cause gradual declines in tree health that are not typically detectable during aerial surveys. Intensity of damage is variable, thus not all trees within a mapped area are dead or defoliated. Caution should be used in interpreting these results due to the subjective nature of aerial sketch mapping and the scale of mapping. Areas of particular concern should be ground-checked for precise determination of location and causal agent.

2004
Insect and Disease Aerial Survey
Cibola National Forest and Vicinity

1:275,000

0 5 10 15 Miles

N

Map produced by
New Mexico Zone
11/4/2004

Cibola
Sandoval
Santa Fe
Bernalillo
Valencia
Torrance
Socorro
Lincoln
Catron
Sierra

Grants
Albuquerque
Edgewood
Belen
Mountainair
Quemado
Magdalena
Socorro
Corona
Carrizozo
Capitan

Ramah Tribal
Acoma Pueblo
Laguna Pueblo
Canoncito
Zia Pueblo
Santa Ana Pueblo
Santo Domingo Pueblo
San Felipe Pueblo
Sandia Pueblo
Isleta Pueblo
Alamo Navajo Tribal

Mt. Taylor RD
Sandia RD
Mountainair RD
Magdalena RD
Quemado RD
Reserve RD
Black Range RD
Smokey Bear RD